

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001471**Date Inspected:** 05-Apr-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** OBG 4BE,Counterweight Boxes**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

OBG 4BE

A joint four party inspection was performed on the interior "U" rib stiffeners and vertical surfaces of the abrasive blasted base metal. Concurrent with the abrasive blast inspection a final VT inspection was performed by Caltrans inspectors, Lonnie Whitehead, Dan Hernandez, Steve Hall, and Mark Miller. Typical areas required grinding of burrs, weld slag, gouges and fins which was in process and being performed by ZPMC personnel. Abrasive blasting operations were incomplete at this time and numerous areas were incomplete and SSPC SP-10 not achieved. Final VT was completed and grinding operations were completed and ZPMC personnel resumed abrasive blasting operations. Another inspection was requested and areas were discovered which required additional re-work. ZPMC performed prescribed repairs and commenced application of Interzinc 22 to base metal surfaces. Profile amplitude was 70-82um ambient conditions were monitored and within the parameters of contract documents. International Protective Coatings Technical service representative Peng ZiLi was in attendance during the inspection process.

COUNTERWEIGHT BOXES

Checked applied Interzinc 22 on the interior and exterior surfaces with International Protective Coatings Peng ZiLi, coated surfaces passed "quarter rub test".

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Summary of Conversations:

Caltrans QA Lumley inquired as to Interzinc 22 alkali resistance with International Protective Coatings Technical service representative Zili Peng, Zili Peng informed Caltrans QA Lumley after Interzinc 22 is cured alkali resistance was very good. This is contrary to the published product data sheets.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, (858) 699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
